

1. A flexible mixing mat comprising:

- (a) a geometrically-shaped planar substrate having four corner areas;
- (b) four expandable corners coupled to said four corner areas, respectively; and,
- (c) handle means formed in a respective one of said four expandable corners from which said geometrically-shaped planar substrate is adapted to be lifted.

10        2. The mat of CLAIM 1, wherein said handle means comprises oblong apertures wherein a respective oblong aperture is formed in a respective one of said four expandable corners.

15        3. The mat of CLAIM 2, wherein each corner area of said four corner areas of said geometrically-shaped planar substrate has formed therein a triangularly-shaped notch having an apex located a distance from an edge of said geometrically-shaped planar substrate; and

20        wherein each expandable corner of said four expandable corners comprises a pleated flexible member expandable greater than said triangularly-shaped notch wherein said pleated flexible member has formed therein

said respective oblong aperture and wherein a center of a longitudinal length of said oblong aperture is substantially aligned with said apex.

4. The mat of CLAIM 3, wherein said geometrically-shaped planar substrate is rectangularly shaped and said  
5 triangularly-shaped notch is an acute angle notch having one leg perpendicular to a short edge of said geometrically-shaped planar substrate.

5. The mat of CLAIM 2, wherein said geometrically-shaped planar substrate is made of flexible and  
10 waterproof material.

6. The mat of CLAIM 2, wherein said geometrically-shaped planar substrate is made of tarpaulin material.

7. The mat of CLAIM 2, wherein each corner area of  
15 said four corner areas of said geometrically-shaped planar substrate has formed therein a triangularly-shaped notch having an apex a distance from an edge of said geometrically-shaped planar substrate wherein said apex of said triangularly-shaped notch of said each corner  
20 area of said four corner areas is adapted to create a folding point and wherein pairs of said apexes form folding lines.

8. A flexible mixing mat comprising:

(a) a geometrically-shaped planar substrate having four corner areas wherein each corner area of said four corner areas has formed therein a triangularly-shaped notch having an apex located a distance from an edge of said geometrically-shaped planar substrate;

(b) four expandable corners coupled to said four corner areas, respectively wherein each expandable corner of said four expandable corners comprises a pleated flexible member expandable greater than said triangularly-shaped notch wherein said pleated flexible member; and

(c) handle means connected to a respective one of said four expandable corners from which said geometrically-shaped planar substrate is adapted to be lifted wherein the point of said connection of said handle means to said one of said corners is substantially aligned with said apex.

9. The mat of CLAIM 8, wherein said geometrically-shaped planar substrate is rectangularly shaped and said triangularly-shaped notch is an acute angle notch having one leg perpendicular to a short edge of said geometrically-shaped planar substrate.

10. The mat of CLAIM 8, wherein said geometrically-shaped planar substrate is made of flexible and waterproof material.

11. The mat of CLAIM 8, wherein said geometrically-shaped planar substrate is made of tarpaulin material.

12. The mat of CLAIM 8, wherein said apex of said triangularly-shaped notch of said each corner area of said four corner areas is adapted to create a folding point and wherein pairs of said apexes form folding lines.

13. The mat of CLAIM 8, wherein said handle means comprises:

(a) a U-shaped channel having an aperture through its center region for alignment with an aperture in a respective one of said four expandable corners;

(b) fastening means passing through said aligned apertures for connecting said corner to said channel;

and,

(c) a transverse slot provided in the proximate end of said channel for grasping by a user of said mat.

14. The mat of CLAIM 13, wherein said fastener is  
5 an elongated pin having a head integral with two prongs which can be bent after passing through said aligned apertures.

15. The mat of CLAIM 13, wherein said fastener is an rubber plug having end portions which expand after  
10 passing through said aligned apertures to prevent removal thereof.

16. A method of mixing using a flexible mixing mat comprising a geometrically-shaped planar substrate having four corner areas; four expandable corners coupled to  
15 said four corner areas, respectively; and, handle means formed in a respective one of said four expandable corners, said method comprising the steps of:

- 20 (a) placing a given amount of a first ingredient of a mixture substantially in a center of said geometrically-shaped planar substrate;
- (b) adding a given amount of a second ingredient to said first ingredient to create a mixture;

(c) lifting said geometrically-shaped planar substrate by said handle means of each expandable corner; and,

5 (d) agitating said geometrically-shaped planar substrate until substantially said mixture of said first and second ingredients is substantially dissolved or homogenous forming a mixed mixture.

10 17. The method of CLAIM 16, further comprises the step of:

(e) tilting said geometrically-shaped planar substrate and pouring the mixed substance.

15 18. The method of CLAIM 17, wherein said first ingredient is a dry pre-blended cement composition, said second ingredient is water, said mixture is a slurry and said mixed mixture is cement.

19. The method of CLAIM 18, wherein said step of (d) includes the steps of:

20 (d1) rolling said slurry from one end of said geometrically-shaped planar substrate to another end thereof by lifting said one end above said another end; and,

(d2) rolling said slurry by rotating at least a pair of said four expandable corners from one side of said geometrically-shaped planar substrate to another side thereof.

5           20. The method of CLAIM 18, wherein said step of (c) comprises the step of:

(c1) lifting said geometrically-shaped planar substrate approximately waist-high.

10           21. The method of CLAIM 18, wherein said step of (c) comprises the steps of:

(c1) securing a first pair of said four expandable corners by placing a first respective pair of said oblong apertures on hooking members; and,

15           (c2) placing a pair of hands in a second pair of said oblong apertures and lift said geometrically-shaped planar substrate.